

## USERS GUIDE TO THE ANIMAL MICROBIOLOGY UNIT

The Animal Microbiology Unit of the Animal Disease Diagnostic Laboratory provides cultural examinations for a wide variety of diseases. Some of the most common are listed below:

TEST	SAMPLE
Abortion Screen	Fetus, placenta, fetal stomach contents, uterine contents, (includes culture ID for Trichomonas, Campylobacter, and Brucella)
Johne's, Acid-fast Stain Mycobacterium, Crypto	Feces, mucosal scrapings
Aerobic Culture	Fresh chilled tissue, urine, exudates, transtracheal wash
Anaerobic Culture	Fresh tissue, anaerobic culturettes, exudates
Antibiotic Sensitivity Test	Performed on isolates recovered from specimens. Please request on accession form that you would like this test done.
Blood Cultures	Blood submitted in blood culture bottles
Brucella abortus	Fetal tissues, placenta, milk, lymph nodes
Brucella canis	Fetus, testicle, placenta, uncoagulated blood in a blood culture bottle, lymph nodes, Vaginal discharge, milk, semen
Calf Scours	Feces or affected intestine
Campylobacter Culture	Submit in Amies media, of a culturette containing Cary-Blair or Amies media
Candida	Lesion, milk
Dermatomycosis	Lesion, hair, scales
Dermatophilosis	Hair and scabs (please submit a good sized sample)
Diarrhea/enteritis	Feces, affected intestine
Listeriosis	Cerebellum, pons, medulla, fetus, uterine secretions
Lumpy Jaw (Actinomyces)	Exudate, lesions, sulfur granules
Mastitis Culture	Milk submitted in whirl-packs or sterile tubes. Please notify the laboratory in advance if submitting more than 40 samples at a time.
Mycoplasma	Fresh chilled tissue, transtracheal wash, swab, milk
Paratuberculosis (Johne's)	Feces, affected intestine (please submit > a 2 gram sample)
Pinkeye (Moraxella bovis)	Culturette of affected eye. Sometimes difficult to isolate from normal flora.
Pneumonia	Lung (Please indicate if Mycoplasma, Hemophilus or Rhodococcus is suspected)
Salmonella	Feces, feed, water, environmental samples
Streptococcus equi	Exudate from non-draining lesion
Trichomonas	Preputial wash, vaginal fluid (Submit in a Trichomonas InPouch)